

# FIRST CIRCULAR – CALL FOR PAPERS

Prvo priopćenje – poziv za referate

**9<sup>th</sup> International Symposium of Croatian Metallurgical Society\***

**9. međunarodni simpozij Hrvatskog metalurškog društva**

**"Materials and Metallurgy"**

**"Materijali i metalurgija"**

<http://public.carnet.hr/metalurg>

**S H M D '2010.**

Šibenik 2010, June 20 - 24, Solaris Holiday Resort\*\*\*\*, Croatia

**9<sup>th</sup> International Symposium of Croatian Metallurgical Society „Materials and Metallurgy” will be held as part of:**

- **90<sup>th</sup> anniversary** of THE ESTABLISHMENT OF DNEPROPETROVSK NATIONAL UNIVERSITY, Dnepropetrovsk, Ukraine
- **70<sup>th</sup> anniversary** of STUDIES OF METALLURGY OF UNIVERSITY OF LJUBLJANA, Slovenia
- **60<sup>th</sup> anniversary** of THE ESTABLISHMENT OF INSTITUTE OF METALS AND TECHNOLOGY, Ljubljana, Slovenia
- **55<sup>th</sup> anniversary** of THE ESTABLISHMENT OF INSTITUTE OF MATERIALS RESEARCH Slovak Academy of Sciences, Košice, Slovakia
- **50<sup>th</sup> anniversary** of THE ESTABLISHMENT OF:
  - TECHNICAL FACULTY, UNIVERSITY OF RIJEKA, Rijeka, Croatia
  - FACULTY OF ELECTRICAL ENGINEERING, MECHANICAL ENGINEERING AND NAVAL ARCHITECTURE, UNIVERSITY OF SPLIT, Split, Croatia
- **20<sup>th</sup> anniversary** of INTENSE INTERNATIONAL COOPERATION OF CROATIAN METALLURGICAL SOCIETY, Zagreb, Croatia

The Croatian Metallurgical Society has the responsibility for the development and future of Croatia. Its purpose is contributing to Croatia's advancement, based on the promotion of metallurgy. This is chief goal and we shall realize it by linking all the various sciences and points of view, aware that the advancement and development of Croatia can only be achieved through the united efforts of all.

Unlike other transitional states, Croatia still undergoes a stage of restructuring both ferrous and non-ferrous metallurgy. For metallurgy, this means a difficult economic situation, and in comparison to the level until the war in 1991 the production is at the level below 10%.

After several unsuccessful restorations, Croatia privatized metallurgical companies. The future of the

\*Accepted in Meeting of the IISI, International Society and Steel Institutes, November 7<sup>th</sup>, 2007 at Düsseldorf, Germany

Croatian metallurgy depends exclusively of intentions of mostly foreign owners.

Naturally, this situation has an impact to the activity of the Croatian Metallurgical Society as well. Practically without any starting point and foundation in industry, CMS was financed by a modest money support from the Ministry of Science, Education and Sports of the Republic of Croatia.

However, thanks to voluntary work of CMS heads and members (not one fee has ever been paid in the last 18 years), the Society's activities are various, successful and recognizable in the world.

In addition to the mutual useful cooperation with many related societies, professional and scientific institutions in Croatia and abroad, the following needs to be stressed in particular:

1. CMS is a publisher of the Journal Metallurgy the articles of which are being referred to in an array of international periodicals and databases), among other in ISI-SCI as well. Articles are being published by authors from over 30 states, and over 100 articles are being received per year.
2. Every two years CMS organizes and holds symposiums called "Materials and Metallurgy". All of these symposiums are agreed on a global level – in the meetings of representatives of metallurgical associations. They are organized in early November in Düsseldorf, by Verein Deutscher Eisenhütten-leute (VDEh), the current name of VDEh's Stahlinstitut.  
Eight international symposiums have been held so far:  
1<sup>st</sup>: Zagreb - 1994 - February, 16-18 (88 lectures)  
2<sup>nd</sup>: Split - 1996 - June, 20-22 (150 lectures)  
3<sup>rd</sup>: Šibenik - 1998 - June, 25-27 (192 lectures)  
4<sup>th</sup>: Opatija - 2000 - June, 25-29 (333 lectures)  
5<sup>th</sup>: Šibenik - 2002 - June, 23-27 (375 lectures)  
6<sup>th</sup>: Šibenik - 2004 - June, 20-24 (368 lectures)  
7<sup>th</sup>: Šibenik - 2006 - June, 18-22 (475 lectures)  
8<sup>th</sup>: Šibenik - 2008 - June, 22-26 (615 lectures)

The workshops of symposiums were held in plenary sessions (lecturers were invited and firms presented) and poster sections:

- Materials - section "A";
- Process metallurgy - section "B";
- Plastic processing "C" - section "C";
- Metallurgy and Related topics - section "D".

For the plenary lectures research topics were selected relating partly to the new materials and partly to the increase of efficiency of metallurgical procedures, decrease of required energy as well as improving of products.

Generally the reports were prepared for these symposiums by the authors and coauthors from various

world universities, institutes, academies and companies (in 8<sup>th</sup> Symposium over 900 authors and coauthors from 44 countries). It is to be emphasized that the scientists from four Croatian universities (Zagreb, Rijeka, Osijek and Split) participated in these symposiums.

In the discussions it was confirmed that the symposiums organized by Croatian Metallurgical Society have become traditional assembly of experts and scientists of various profiles: metallurgists, geologists, physicists, chemists, mechanical engineers etc.

With a demonstration of their best achievements they all assist the metallurgy in Croatia to call the same attention as it does otherwise in the world.

Detailed reviews of all the symposiums held so far were published and made public [1-37].

Based on the agreement of Meeting of World Metallurgical Societies, Düsseldorf, November 2007 y., the next 9<sup>th</sup> International Symposium of Croatian Metallurgical Society "Materials and Metallurgy" will be held 2010 - June 20 - 24, Solaris Holiday Resort, Šibenik, Croatia.

## THE AIM OF SYMPOSIUM '2010

The aim of this Symposium is to point out all the possibilities of the materials and achievements in metallurgy.

## TOPICS OF THE SYMPOSIUM ARE:

### Materials

- *New Materials*
- *Refractories Materials*
- *The Development*
- *Applications*
- *Physical Metallurgy*

### Metallurgy

- *Process Metallurgy and Foundry*
- *Plastic Processing of Metals and Alloys*
- *Technologies*
- *Energetics*
- *Ecology in Metallurgy*
- *Quality Assurance and Quality Management*

Here are the most important details on the 9<sup>th</sup> Symposium of Croatian Metallurgical Society:

## ORGANIZER

CROATIAN METALLURGICAL SOCIETY (CMS)

## PATRONS

- European Steel Institute Confederation (ESIC)
- European Steel Federation (ESF)

- International Iron and Steel Institute (IISI)
- Ministry of Science, Education and Sport Republic of Croatia,
- Croatian Chamber of Economy
- Sisak – Moslavina County
- University of Rijeka, Technical Faculty
- University of Split, Faculty of Electrical Engineering, Mechanical Engineering and Naval Architecture

## CO-ORGANIZERS

- Academy of Engineering Science of Ukraine
- University of Mining and Metallurgy, Faculty of Foundry Engineering, Krakow
- University of Ljubljana, Faculty of Natural Science and Engineering
- Baikov Institute of Metallurgy and Materials Science, Russian Academy of Sciences, Moscow
- University of Zenica, Faculty for Metallurgy and Materials Science, Zenica
- National Metallurgical Academy of Ukraine
- Technical University of Košice, Faculty of Metallurgy
- Technical University of Košice, Faculty of Mechanical Engineering
- Technical University of Košice, Berg Faculty
- University of Zagreb, Faculty of Mechanical Engineering and Naval Architecture
- University of Osijek, Faculty of Mechanical Engineering, Slavonski Brod
- VŠB Technical University of Ostrava
- Institute of Metals and Technology, Ljubljana
- Institute of Materials Research of the Slovak Academy of Sciences in Košice
- Steel Works Split
- Moscow State Steel and Alloys Institute
- Physico-Technical Institute National Academie of Science, Minsk
- Politehnica University of Bucharest
- Institute of Metallurgy “Kemal Kapetanović”, Zenica
- Pisarenko Institute of Problems of Strength NASU, Kiev
- Dnepropetrovsk National University
- Czech Steel Federation
- Slovak University of Technology in Bratislava, Faculty of Materials Science and Technology
- Vatrostalna Sisak d.d.
- Polytechnic of Slavonski Brod

## CO-OPERATION WITH ORGANIZATIONS

- Stahlinstitut VDEh, Germany
- ATS - Association Technique de la Siderurgie Francaise

- CENIM - Centro National de Investigaciones Metalurgicas Spain
- ChSM - The Chinese Society for Metals China
- CRM - Centre de Recherches Metallurgiques Belgium
- ASMET - The Austrian Society for Metallurgy and Materials
- American Iron and Steel Institute, USA
- ISIJ - The Iron and Steel Institute of Japan
- JERN - Jernkontoret, Sweden
- SRM Romanian Society for Metallurgy
- SITPH - Association of Polish Metallurgical Engineers
- HOOGOVS, The Netherlands
- SHS - Slovak Metallurgical Society
- Sociedade Portuguesa de Materiais
- MVAE - Association of Hungarian Steel Industry
- Steel Federation of the Czech Republic
- Union of Bulgarian Metallurgists
- IBS - Instituto Brasileiro de Siderurgia
- AIM - Associazione Italiana di Metallurgia
- The Japan Institute of Metals
- Egyptian Association for Industrial Development
- Institute Argentino de Siderurgia
- Associacao Brasileira de Metalurgia e Materiais
- ILAFA - Instituto Latinoamericano del fierroy el Acero, Chile
- Société Francaise de Métallurgie et de Materiaux
- The Institut of Materials, Minerals and Mining, England
- P. T. Krakatau Steel, Indonesia
- ISIJ - The Iron and Steel Institute of Japan
- KOSA - Korea Iron and Steel Association
- Amsteel Mills Sdn Bhd, Malaysia
- Philippine Iron & Steel Institute
- NatSteel Asia (S) Pte Ltd, Singapur
- The South African Institute of Mining and Metallurgy
- Iron and Steel Institute of Thailand
- Vietnam Steel Corporation

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*D. Živković* Croatia  
*V. Živković* Croatia

## GENERAL INFORMATION

### Languages

Croatian, English (no simultaneous translation)

### Summarye (Abstract)

All participants who intend to present a lecture are required about a Summary of Paper lecture in the following form:

**Initial of Name, Surname, Institution, Stat, Title of Abstract, Content – max 120 words**, (please, also see on Web site: Metalurgija, Summaries of Lectures, the form 47(2008), 3, 227-284).

**The workshop of symposium will be held in plenary session (invited lectures, presentation of firms) and posters sections.**

Summaries of all accepted lectures will be published in Summaries of Lectures after paid the Participation Fee, in the Journal Metalurgija 49 (2010), 3. Invited (plenary) Papers will be also published in the Journal Metalurgija 49 (2010) 3, in order of acception after regular procedure. The selected Papers will be also published in the Journal Metallurgy after Symposium also with paid the Participation Fee, and accepted from the Reviewers.

### All correspondence and Papers send to:

Croatian Metallurgical Society  
Berislavićeva 6, 10 000 Zagreb, Croatia  
Phone / Fax: + 385 1 619 86 89 (service)  
Mob: + 385 98 317 173

### E-mail Summaries only to:

denona@denona.hr or send them on CD to CMS.

**DEADLINES (please see WEB site for all information – <http://public.carnet.hr/metalurg>)**

**Registration and Summary: 31<sup>st</sup> January 2010**

**Second Circular: 31<sup>st</sup> March 2010**

**Programme: 31<sup>st</sup> May 2010**

**Papers: at latest 31<sup>st</sup> December 2010.**

## PARTICIPATION FEE (for each the paper)

- a) Participation, publication of Summaries in Metallurgy issue 49 (2010) 3, presentation in the poster section, Summaries of Lectures ... **150 €**
- b) Publication of a whole paper in Journal Metallurgy (**The papers not consistently prepared according to the "Instructions to Authors", for Journal of Metalurgija will not be considered - see WEB site): 450 € (150 € + 300 €)**
- c) Other participants and co-authors, including the Summaries of Lectures: **100 €**

**All this prices generally included symposium attendance, welcome cocktail and symposium materials.**

Please pay Participation Fee by 31<sup>st</sup> January, 2010 to:  
Croatian Metallurgical Society, Zagreb,  
Berislavićeva 6, Croatia, the bank account No:  
Privredna Banka Zagreb, Croatia

**703000-304713**

**IBAN: HR 76 2340 0091 1100 4804 3**

**SWIFT CODE (BIC): PBZGHR2X**

**For the participants from Croatia (in Croatian Kuna):**

**2340009-1110048043**

The fee can also be paid at the symposium: price +10%.

## Paper presentation

- Plenary lectures of invited scientists will be held.
- All other papers will be grouped by topics and will be given on posters.
- Review of each group of papers will be orally presented by invited scientists.
- **Authors are required to prepare posters (title, abstract, results, conclusion) on a 100×100 cm paper, to be paste on a board.**

## Eventually let us point out:

The reception of the 9<sup>th</sup> Symposium of Croatian Metallurgists by international associations has shown that

the Symposium has become a traditional place for the gathering of the world's experts and scientists of various profiles: metallurgists, physicists, chemists, mechanical engineers, and technicians who can and want to contribute so that metallurgy in Croatia receives the same attention as it does in the world.

## REFERENCES

- [1] *Metalurgija* 32 (1993) 4, 122-124.
- [2] *Metalurgija* 32 (1993) 4, 185-194.
- [3] *Stahl und Eisen* 114 (1994) 6, 80.
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- [31] *Metalurgija* 45 (2006) 4, 271-276.
- [32] *Metalurgija* 45 (2006) 3, 147-184.
- [33] *Metalurgija* 45 (2006) 4, 313-340.
- [34] *Metalurgija* 45 (2006) 3, 185-268.
- [35] *Metalurgija* 46 (2007) 1, 3-8.
- [36] *Metalurgija* 47 (2008) 1, 3-8.
- [37] *Metalurgija* 47 (2008) 4, 287-290.

**Note:** Please see next page.

## REGISTRATION FORM SHMD '2010

June 20 - 24, 2010

Registration Form (see web site) should be sent not later than 31<sup>th</sup> January 2010, (after paid the Participation Fee) to:

Croatian Metallurgical Society,  
Berislavićeva 6, 10000 Zagreb, Croatia,  
or fax: + 385 1 619 86 89

Name: .....

Title and Profession: .....

University or Company: .....

Mailing Address: .....

Zip Code: .....

City: .....

Country: .....

Phone: .....

Fax: .....

E-mail: .....

Attendance: with a paper [ ] ; without a paper [ ],

Title of the paper: .....

.....

.....

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Author(s): .....

.....

Date: .....

Signature: .....

## ACCOMODATION

Solaris Holiday Resort, Šibenik, Croatia

## HOTEL ACCOMODATION FORM SHMD '2010 (SEE WEB SITE)

Deadline of reservation: 20<sup>th</sup> May 2010 to:  
Phone: + 385 22 361 013, fax: + 385 22 361 800  
Solaris Holiday Resort, 22 000 Šibenik, Croatia

Name: .....

Phone: .....

Address: .....

Arrival Date: ..... 06. 2010; Time: .....

Departure date: ..... 06. 2010; Time: .....

Please indicate type of room required:  
(price are per person/day)

	double 1/2	single 1/1
room + breakfast	47.50 € [ ]	68.50 € [ ]
half board	52.50 € [ ]	73.50 € [ ]
full board	64.50 € [ ]	85.50 € [ ]
visitor's tax - person/day	0.8 €	

The prices validly: June 18 - 27, 2010 ( $\Sigma$  9 days).

Date: .....

Signature: .....

Information: Solaris Holiday Resort

Phone: + 385 22 361 004

361 005

Fax: + 385 22 361 800

The more details about the town Šibenik and Solaris Holiday Resort, please see: [www.solaris.hr](http://www.solaris.hr)